

The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \frac{1}{x} \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function. The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation $g(x) = \frac{1}{x} \int_0^x g(t) dt$. It is shown that $g(x)$ is a constant function.